

Converting Colors

CIELCh(70, 68.526, 69.156)

Have a look what the booklet for
CIELCh(70, 68.526, 69.156) contains.

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Color

CIELCh(70, 68.773, 69.192)

Conversions

Conversions Part 1

Format	Color
Hex	EE982F
RGB	238, 152, 47
RGB Percent	93%, 60%, 18%
CMY	0.0674, 0.4045, 0.8164
CMYK	0.00, 0.36, 0.80, 0.07
HSL	33°, 85%, 56%
HSV	33°, 80%, 93%
XYZ	46.9047, 40.7494, 8.0636
YIQ	165.7440, 84.9610, -14.4230

Conversions

Conversions Part 2

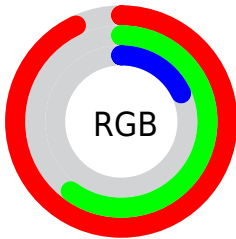
Format	Color
R _Y B	203, 238, 47
Decimal	15636527
CIE Lab	70.00, 24.43, 64.29
CIE LCh	70, 68.773, 69.192
Yxy	40.7494, 0.4900, 0.4257
Android (android.graphics.Color)	4293826607 (0xFFEE982F)
YUV	165.7440, -58.5408, 63.3685
Hunter-Lab	63.8353, 19.4461, 37.1952

Details

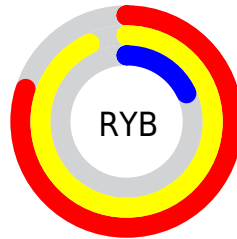
The CIELCh color **70, 68.773, 69.192** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **56, 61.124, 280.929**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 57.990, 84.139**, and **50, 62.995, 67.136** is the 20% darker color. If you saturate the color by 10%, you get **67, 75.390, 66.975**, and if you desaturate by 10%, it is **73, 60.502, 70.958**.

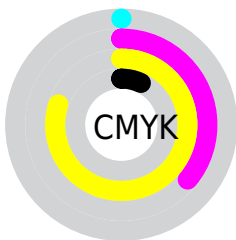
Distribution



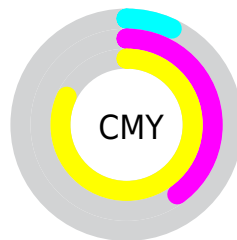
- Red (93%)
- Green (60%)
- Blue (18%)



- Red (80%)
- Yellow (93%)
- Blue (18%)



- Cyan (0%)
- Magenta (36%)
- Yellow (80%)
- Black (7%)



- Cyan (7%)
- Magenta (40%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 68.773, 69.192 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 70, 68.773, 69.192 by changing the saturation by 10% instead.

70, 68.773, 69.192

70, 68.773, 69.192

100, 68.773,
69.192

60, 68.773, 69.192

90, 68.773, 69.192

50, 68.773, 69.192

40, 68.773, 69.192

30, 68.773, 69.192

20, 68.773, 69.192

10, 68.773, 69.192

0, 68.773, 69.192

70, 68.773, 69.192

70, 68.773, 69.192

67, 75.390, 66.975

73, 60.502, 70.958

65, 79.610, 64.222

75, 51.517, 72.496

78, 42.376, 73.932

81, 33.365, 75.317

84, 24.616, 76.670

87, 16.175, 77.993

91, 8.051, 79.271

94, 0.229, 78.949

97, 4.942, 244.354

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70, 68.773, 69.192



56, 61.124, 280.929

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 68.773, 69.192



70, 68.773, 119.192



70, 68.773, 249.192



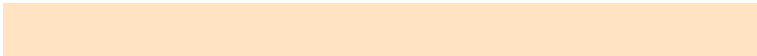
70, 68.773, 299.192

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



70, 68.772, 69.195



92, 20.378, 77.497



54, 75.175, 358.141



48, 14.097, 77.023



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70, 68.772, 69.195



71, 82.374, 65.269



91, 85.400, 105.152



49, 4.458, 79.373



51, 65.431, 64.873



14, 23.521, 66.486

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56, 61.124, 280.929



53, 77.851, 287.800



36, 111.622, 304.337



47, 4.392, 261.944



37, 62.199, 288.565



9, 23.340, 281.320

Previews

White Background



This preview shows how the CIELCh color 70, 68.773, 69.192 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 70, 68.773, 69.192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 68.773, 69.192

Background



This preview shows how black text looks on a background with the CIELCh color 70, 68.773, 69.192.



This preview shows how white text looks on a background with the CIELCh color 70, 68.773, 69.192.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

70, 68.773, 69.192

Protanopia

70, 61.056, 95.526

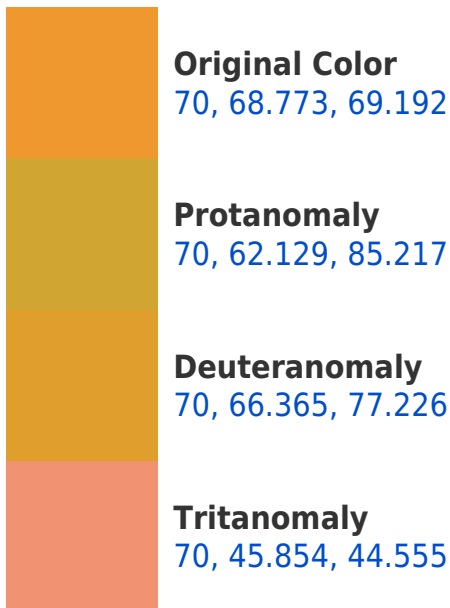
Deuteranopia

70, 65.764, 82.128



Tritanopia
70, 40.919, 16.229

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 68.773, 69.192 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(238, 152, 47)` looks like.

```
.text, #text, p{  
    color:rgb(238, 152, 47)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(238, 152, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 152, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 68.773, 69.192 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 152, 47) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(238, 152, 47) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(238, 152, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 152, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 152, 47);  
box-shadow:4px 4px 4px 4px rgb(238, 152,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 68.773, 69.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 152, 47) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(238,  
152, 47) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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